

CLAIMS:

1. A picture display device comprising

- a cathode ray tube comprising an elongated display screen with a long axis and a short axis, a cone portion, a neck portion comprising means for generating three in-line electron beams, and
- 5 – a deflection system mounted on said cone portion for generating electromagnetic fields for deflecting said electron beams across the screen, wherein a line scanning direction is parallel to the long axis of the display screen,

a cross-section of an outer circumference of the cone portion comprising a first section, near the neck portion, having a long axis and a short axis transverse to each other,

10 wherein the short axis is parallel to the long axis of the display screen (aspect ratio <1), the outer circumference of the cone portion having a second section, further away from the neck, having a long axis and a short axis transverse to each other, wherein the short axis is parallel to the short axis of the display screen (aspect ratio ≥ 1).

15 2. A picture display device as claimed in claim 1, wherein the three in-line electron beams are located in an in-line plane, the in-line plane being parallel to the long axis of the display screen, and for said first section the minimum value of the aspect ratio between the outer dimension of the cone portion along a direction parallel to the long axis of the display screen and outer dimension perpendicular to the long axis of the display screen being 20 between 0.60 and 0.95, preferably between 0.70 and 0.90.

3. A picture display device as claimed in claim 1, wherein the three in-line electron beams are located in an in-line plane, the in-line plane being parallel to the short axis of the display screen, and for said first section the minimum value of the aspect ratio between the outer dimension of the cone portion along a direction parallel to the long axis of the display screen and outer dimension perpendicular to the long axis of the display screen being 25 between 0.20 and 0.95, preferably between 0.70 and 0.90.